We claim:

1. A display device for a graphic movably mounted in a housing to display a plurality of images through a lens, comprising:

a housing having a lens in an opening;

a cam assembly moving the graphic in an oscillating pattern from a first to a second position and configured to minimize dwell time as the graphic reverses direction and the image displayed through the screen changes.

- The device of claim 1, wherein:
 said cam defines a closed loop of movement that is not fully circular.
- 3. The device of claim 2, wherein: said cam moves on a flatter path as the graphic reverses direction.
- 4. The device of claim 3, wherein: said cam moves to a more rounded path after the graphic reverses direction.
- 5. The device of claim 4, wherein: said cam accelerates the graphic after a change in its direction.
- 6. The device of claim 2, wherein: said cam comprises a member defining a groove which constitutes said closed loop.
- 7. The device of claim 6, wherein: said groove comprises and inner and an outer wall.
- 8. The device of claim 7, further comprising:

a sliding bar in said housing having a first extending member directed between said inner and outer walls, said sliding bar also connected to the graphic to drive the graphic back and forth.

- 9. The device of claim 8, wherein: said walls define a closed loop.
- 10. The device of claim 8, wherein:
 said first extending member is driven off both said inner and outer walls.
- 11. The device of claim 10, wherein:
 said first extending member is driven off either said inner or outer walls at any given time.

12. The device of claim 8, further comprising:

a second extending member from the opposite side of said sliding bar and extending into an opening in the graphic.

13. The device of claim 1, wherein:

a biasing device acting on said graphic to force it toward said lens.

14. The device of claim 13, wherein:

said biasing device comprises at least one cantilevered finger pressing against said graphic

15. The device of claim 14, wherein:

said housing further comprises a guide to help control said oscillating movement of the graphic.

16. The device of claim 15, wherein:

said guide comprises a plurality of aligned ribs in said housing.

17. A display device for a graphic movably mounted in a housing to display a plurality of images through a lens, comprising:

a housing having a lens in an opening;

a biasing device to force the graphic toward said lens.

18. The device of claim 17, wherein:

said biasing device comprises at least one cantilevered finger pressing against the graphic

19. The device of claim 18, wherein:

said finger is mounted to said housing.

20. The device of claim 18, wherein:

said finger is mounted to a base that is secured to said housing.